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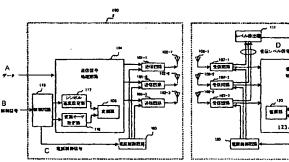
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(54) Title: RADIO COMMUNICATION DEVICE

(54) 発明の名称: 無線通信機



- B... CONTROL SIGNAL
- 119... CONTROL CIRCUIT 104... TRANSMISSION SIGNAL PROCESSING CIRCUIT
- 117... SYMBOL SPEED SETTING UNIT
- 118... MODULATION MODE SETTING UNIT
- 105... MODULATION UNIT
- C... POWER SUPPLY CONTROL SIGNAL 101-1... TRANSMISSION CIRCUIT
- 101-2... TRANSMISSION CIRCUIT
- 101-3... TRANSMISSION CIRCUIT 103... POWER SUPPLY CONTROL CIRCUIT
- 107-1... RECEPTION CIRCUIT
- 107-2... RECEPTION CIRCUIT 107-3... RECEPTION CIRCUIT

- 111... LEVEL DETECTOR 109... POWER SUPPLY CONTROL CIRCUIT
- D... RECEPTION LEVEL SIGNAL
- E... RECEPTION LEVEL G... ERROR RATIO
- H... CHANNEL MATRIX
- I... MODULATION CONTROL SIGNAL
  K...PROPAGATION CONDITION COMMUNICATION SIGNAL
- 110... RECEPTION SIGNAL PROCESSING CIRCUIT

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- 120... DEMODULATION UNIT
- 122... SYMBOL SPEED SETTING UNIT 123... DEMODULATION MODE SETTING UNIT
- 112... ERROR RATIO MEASUREMENT UNIT 124... CONTROL CIRCUIT
- 123... PROPAGATION DETECTION CIRCUIT

(57) Abstract: A radio communication device includes a transmitter, a receiver, propagation detector, and a symbol speed setting unit. The transmitter has a plurality of antennas, a plurality of transmission circuits, and a transmission signal processing circuit. The transmission signal processing circuit has a modulation unit for modulating inputted transmission data so as to generate a plurality of transmission signals and outputs them to a transmission circuit. The receiver has a plurality of antennas, a plurality of reception circuits, and a reception signal processing circuit. The reception signal processing circuit has a demodulation unit for demodulating the reception signal outputted from each of the reception circuits so as to generate reception data. The propagation detector detects